

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	4	("4642508" "5281935" "5587620" "6060818").PN.	US-PGPUB; USPAT	OR	OFF	2006/07/03 11:46
S2	81099	piezoelectric or piezo-resonator	US-PGPUB; USPAT	OR	OFF	2005/12/19 15:53
S3	101999	"438"/\$.cccls.	US-PGPUB; USPAT	OR	OFF	2005/12/19 15:53
S4	2542	(piezoelectric or piezo-resonator or resonator) and S3	US-PGPUB; USPAT	OR	OFF	2005/12/19 16:18
S5	5591	piezoelectric.ti.	US-PGPUB; USPAT	OR	OFF	2005/12/19 15:56
S6	53	S3 and S5	US-PGPUB; USPAT	OR	OFF	2005/12/19 16:02
S7	495	438/50.cccls.	US-PGPUB; USPAT	OR	OFF	2005/12/19 16:02
S8	135	S4 and S7	US-PGPUB; USPAT	OR	OFF	2005/12/19 16:02
S9	1129384	@ad>"20011026" or @rlad>"20011026"	US-PGPUB; USPAT	OR	OFF	2005/12/19 16:03
S10	73	S8 not S9	US-PGPUB; USPAT	OR	OFF	2005/12/19 16:03
S11	7	("5387459" "5514484" "5684302" "5776621" "6291140" "6358861" "6365055").PN. OR ("6667182").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/19 16:11
S12	9401	(piezoelectric or piezo-resonator or resonator) with cavity	US-PGPUB; USPAT	OR	OFF	2005/12/19 16:39
S13	6748	S12 not S9	US-PGPUB; USPAT	OR	OFF	2005/12/19 16:18
S14	48	("5587620" "5873153").PN. OR ("6060818").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/19 16:19
S15	69	("2505370" "3478573" "3610969" "3818254" "4320365" "4451753" "4456850" "4638536" "5041800" "5212988" "5235135" "5294898" "5321685").PN. OR ("5587620").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/19 16:24

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S16	69	("2505370"   "3478573"   "3610969"   "3818254"   "4320365"   "4451753"   "4456850"   "4638536"   "5041800"   "5212988"   "5235135"   "5294898"   "5321685").PN. OR ("5587620").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/19 16:25
S17	5	("5166646"   "5587620"   "6653913"   "6710681"   "6762471").PN. OR ("6924583").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/19 16:26
S18	7050	(piezoelectric or piezo-resonator or resonator) and cavity	EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/19 16:40
S19	350	438/for.141.ccls.	EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/19 16:41
S20	0	S18 and S19	EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/19 16:41
S21	1228	anisotropically with dry	US-PGPUB; USPAT	OR	OFF	2005/12/19 17:07
S22	520	anisotropically with wet	US-PGPUB; USPAT	OR	OFF	2005/12/19 17:07
S23	980528	(cavity with dry with etch\$3) and piezo electric	US-PGPUB; USPAT	OR	OFF	2005/12/19 17:08
S24	76	(cavity with dry with etch\$3) and piezoelectric	US-PGPUB; USPAT	OR	OFF	2005/12/19 17:15
S25	22	S24 not S9	US-PGPUB; USPAT	OR	OFF	2005/12/19 17:08
S26	16	(cavity with RIE with etch\$3) and piezoelectric	US-PGPUB; USPAT	OR	OFF	2005/12/19 17:17
S27	5	S26 not S9	US-PGPUB; USPAT	OR	OFF	2005/12/19 17:16
S28	55	(cavity with "reactive ion" with etch\$3) and piezoelectric	US-PGPUB; USPAT	OR	OFF	2005/12/19 17:17
S29	18	S28 not S9	US-PGPUB; USPAT	OR	OFF	2005/12/19 17:17
S30	2	"10/117,219"	US-PGPUB; USPAT	OR	OFF	2006/07/03 11:46
S31	8	("4642508"   "5281935"   "5587620"   "6060818").PN. OR ("6734763").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/03 11:51
S32	1	("6924583").PN.	US-PGPUB; USPAT	OR	OFF	2006/07/03 11:51

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S33	6	("5166646"   "5587620"   "6653913"   "6710681"   "6762471").PN. OR ("6924583").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/03 11:51
S34	1371256	@ad>"20011026" or @rlad>"20011026"	US-PGPUB; USPAT	OR	OFF	2006/07/03 11:58
S35	87301	piezoelectric or piezo-resonator	US-PGPUB; USPAT	OR	OFF	2006/07/03 12:52
S36	53718	S35 not S34	US-PGPUB; USPAT	OR	OFF	2006/07/03 11:59
S37	75630	etch\$4 with (cavity or hole or trench or recess or opening)	US-PGPUB; USPAT	OR	OFF	2006/07/03 12:52
S38	1667	S36 and S37	US-PGPUB; USPAT	OR	OFF	2006/07/03 12:00
S39	916	(electrode with piezoelectric) with expos\$4	US-PGPUB; USPAT	OR	OFF	2006/07/03 12:51
S40	37	S38 and S39	US-PGPUB; USPAT	OR	OFF	2006/07/03 12:01
S41	15	("3505572"   "4456850"   "4642508"   "5446306"   "5494251"   "5894251"   "6204737").PN. OR ("6441539").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/03 12:44
S42	535	438/50.ccls.	US-PGPUB; USPAT	OR	OFF	2006/07/03 12:51
S43	350	438/for.141.ccls.	EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/03 12:51
S44	2828	(electrodeand piezoelectric) and expos\$4	EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/03 12:52
S45	0	S43 and S44	EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/03 12:51
S46	108182	piezoelectric or piezo-resonator	EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/03 12:52
S47	1287	(electrode and piezoelectric) and expos\$4	EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/03 12:52
S48	0	S43 and S47	EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/03 12:52
S49	41509	etch\$4 with (cavity or hole or trench or recess or opening)	EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/03 12:52

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S50	21	S46 and S47 and S49	EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/03 12:57
S51	2	("5789845") or ("2870313").PN.	US-PGPUB; USPAT	OR	OFF	2006/07/03 12:57